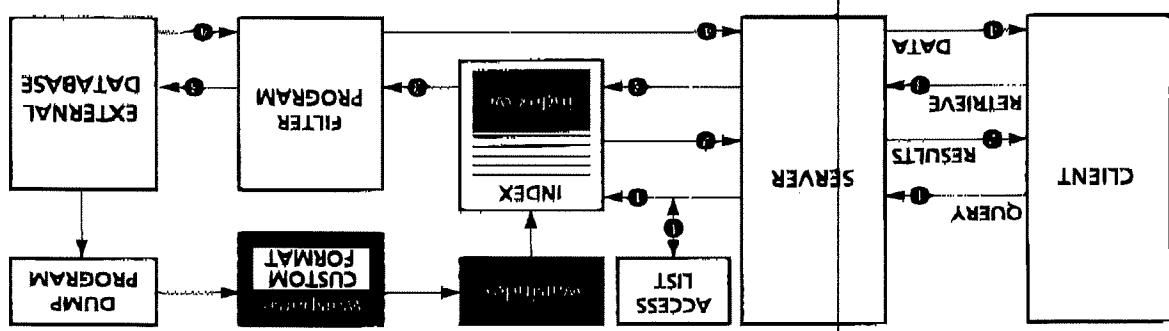
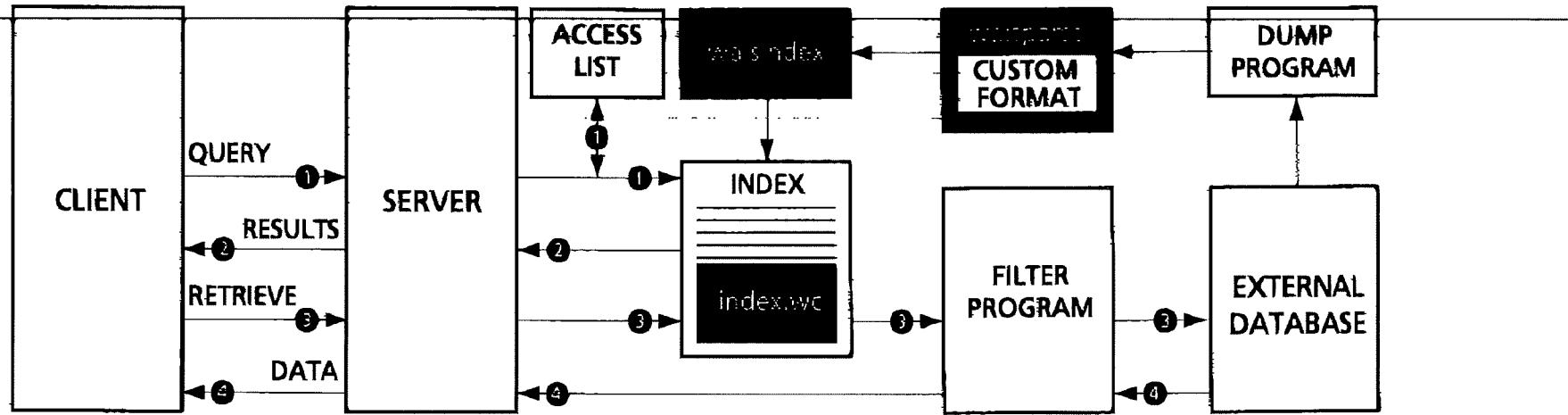


Actual size





enlarged for readability

The first two tasks are necessary to provide the **waisindex** program with a stream of documents to index. The third task is necessary to enable the **waisserver** filtering mechanism to return external data to a client process.

To review, WAIS server integration with an external database is accomplished as depicted in the upper right-hand corner of Figure 4: An index directory is build for the external database contents with the help of a custom dump program and a custom parse format. A filter declaration is included in the database-specific configuration file, **index.wc**, to point to a custom filter program that knows how to retrieve and possibly modify external data.

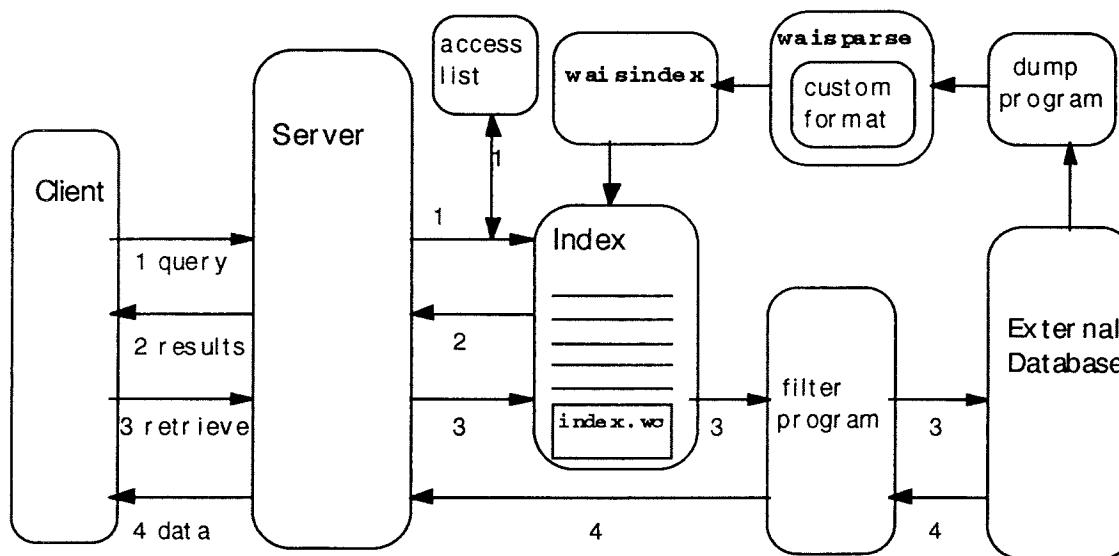


Figure 4. Serving an External Database

Once in place, using a WAIS server to access a non-WAIS database operates as depicted by the numbered arrows in Figure 4: First, the user issues a query (1). This causes a client process to send a search request to the WAIS server, which initiates a **waisserver** process. The **waisserver** process checks the access list to make sure the client's request is allowable. Assuming it is, the server process then reads the **index.wc** file to get any run-time parameters affecting this database. Next, the server process consults the index files, which have been created with the help of a custom parse format, and returns (2) a search results list of headlines to the client. If the user asks to see one of the documents found, the client process sends a retrieval request (3) to the



Date May 17, 1995
To Dia Chaney
Company WAIS Inc.
Project technical documentation chart
Pages: 3

Following are 2 samples of the same diagram. It is from your current page 75. The chart is called "Figure 4. Serving an External Database." Let me know if this is fine and I will proceed with the rest of the diagrams and have them to you on Friday.

Just a couple of questions:

- 1) Do you want the title of the chart included with the artwork?
- 2) This chart fits the old format in width but is smaller in height. Does that work or do you need both dimensions to match as previously done?

If you have any questions you can reach me at 415-386-3531.

Judith
Judith Barker

JUDITH BARKER DESIGN
779 EIGHTH AVENUE SAN FRANCISCO, CA 94118
415.386.3531 FAX 415.386.1605

